

Tuesday, September 14, 2010

8:00 am Registration

8:30 am Opening Remarks/Overview of the NRC Severe Accident Research Program NRC

Technical Session 1 – Progress in Core Debris Coolability

Co-Chairs: S. Basu, NRC and C. Seropian, IRSN

9:00 am Status of the OECD/MCCI-2 Program M. Farmer, ANL

9:30 am Corium Concrete Interaction Modeling Status at IRSN G. Repetto, IRSN

10:00 am BREAK

10:30 am Status of Debris Coolability Modeling M. Corradini, UW

11:00 am Status of Debris Core Reflooding Program (PEARL) G. Repetto, IRSN

11:30 am Status of SERENA-2 S-W Hong, KAERI

12:00 pm LUNCH

Technical Session 2 – Severe Accident Research Activities

Co-Chairs: M. Sonnenkalb, GRS and T. Sevón, VTT

1:00 pm Overview of Severe Accident Research Activities at KIT A. Miassoedov, KIT

1:30 pm Progress on Severe Accident Research in Spain F. Robledo, CSN

2:00 pm Progress in Severe Accident Research at KTH W. Ma, KTH

2:30 pm ENEA Activities in the Field of Severe Accidents M. Sangiorgi, ENEA

3:00 pm BREAK

3:30 pm Overview of ARN's Activities on Reviewing the Atucha-II Level II PSA S. Zarate, ARN

4:00 pm Advances in the Simulation of Severe Accidents with MELCOR 1.8.6 - Preliminary Results for LVNNP R. Lopez, CNSNS

4:30 pm	Application of MELCOR to VVER440 in Slovakia	P. Juris, VUJE
5:00 pm	Overview of KAERI Severe Accident Research	S-W Hong, KAERI
5:30 pm	Overview of Regulatory Activities for Severe Accidents in Korea	K.Y. Sung, KINS
6:00 pm	ADJOURN	

Wednesday, September 15, 2010

Technical Session 3 –Severe Accident Codes; Development and Assessment

Co-Chairs: N. Mosunova, IBRAE and A. Miasoedov, KIT

8:30 am	Overview of Code Development Activities at IBRAE	V. Strizhov, IBRAE
9:00 am	Modeling Steam Condensation and Counter Current Flow with MELCOR	T. Sevon, VTT
9:30 am	MELCOR 1.8.6 Plant Application and Development Needs	M. Sonnenkalb, GRS
10:00 am	BREAK	
10:30 am	Computation of Source Term on Current French PWR with ASTEC 2.0	C. Seropian, IRSN
11:00 am	Use of MELCOR in the Frame of PSA Level 2 Studies for German Nuclear Plants	M. Braun, AREVA
11:30 am	Status of Air Oxidation Modeling at PSI	J. Birchley, PSI
12:00 pm	LUNCH	

Technical Session 4 – High Temperature Gas Reactor Safety Analysis

Co-Chairs: J. Park, KAERI and R. Gauntt, SNL

1:00 pm	Status of NRC HTGR R&D Activities	S. Basu, NRC
1:30 pm	High Temperature Gas Reactor Safety Analysis	W. Tromm, KIT
2:00 pm	MELCOR HTGR Modeling and Assessment	M. Young, SNL
2:30 pm	Accident Analyses of an HTR Confinement with the ASTEC Code	L. Herranz, CIEMAT

3:00 pm	BREAK	
3:30 pm	Preliminary HTTF Prismatic Core Scoping Studies with AGREE	J. Kelly, NRC
4:00 pm	Experimental and Computational Fluid Dynamics Studies of High Temperature Gas Cooled Reactor components	Y. Hassan, TAMU
4:30 pm	Status of INL's Development of an HTGR Resuspension Model for MELCOR	P. Humrickhouse INL
5:00 pm	INL HTTF Scoping Analyses Using RELAP5-3D and STAR-CCM+	P. Bayless, INL
5:30 pm	ADJOURN	

Thursday, September 16, 2010

Technical Session 5 – Severe Accident Experiments

Co-Chairs: A.Watanabe, JNES and J. Duspiva, NRI

8:30 am	Experiments on the Release of Gaseous Iodine from Gamma Irradiated CSI Solution	A.Watanabe, JNES
9:00 am	Scaling Experimental Iodine Behavior to Power Reactor Conditions	M. Salay, NRC
9:30 am	Effect of Flooding on the Aerosol Retention in the Steam Generator Bundle	D. Suckow, PSI
10:00 am	BREAK	
10:30 am	Partner's Meeting (Open to Partners Only)	
12:00 pm	LUNCH	

MELCOR Cooperative Assessment Program (MCAP) Meeting

1:00 pm	Registration	
1:30 pm	Introduction and Opening Remarks	NRC / SNL

Technical Session 1 – MELCOR Applications and Assessment 1

Co-Chairs: J. Jancovic, VUJE and M. Sangiorgi, ENEA

2:00 pm	Status of European MELCOR User Group Meeting – Prague 2010	J. Duspiva, NRI
2:30 pm	Severe accident analysis for Swedish NPPs using MELCOR 1.8.5 and MELCOR 1.8.6	W. Ma, KTH

3:00 pm	BREAK	
3:30 pm	SNAP Development and Applications for MELCOR	K. Jones, APT
4:00 pm	MELCOR Accident Simulation Using SNAP	J. Phillips, SNL
4:30 pm	Assessment of MELCOR Molten Pool Models and In-Vessel Retention	R. Gauntt, SNL
5:00 pm	Application of MELCOR to Containment Dose Analysis	R. Jun, SNL
5:30 pm	ADJOURN	

Friday, September 17, 2010

Technical Session 2 – MELCOR Applications and Assessment 2

Co-Chairs: W. Ma, KTH, and L. Humphries, SNL

8:30 am	Advanced Level 2/3 PRA Modeling Techniques	D. Helton, NRC
9:00 am	MELCOR Analysis on the Source Term in the Containment Vessel	H. Hoshi, JNES
9:30 am	Validation of MELCOR Spray Model	Z. Parduba, NRI
10:00 am	BREAK	
10:30 am	Overview and Status of MACCS	N. Bixler, SNL
11:00 am	MELCOR Scoping Calculation for Severe Accidents in the Integral Type Reactor (SMART)	J. Park, KAERI
11:30 am	Phebus FPT3 Core Modeling with MELCOR 1.8.6	M. Sangiorgi, ENEA
12:00 pm	Quench-12 Bundle Test Simulation with MELCOR Code	J. Duspiva, NRI
12:30 pm	ADJOURN	